

Title (en)
LOCK, ESPECIALLY FOR AN AUTOMOTIVE VEHICLE

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Application
EP 87402139 A 19870924

Priority
FR 8613493 A 19860926

Abstract (en)

1. A latch for securing two parts (2, 5) which are moveable relative to one another, notably in a motor vehicle, comprising on the one hand a keeper (4) integral with one of these parts (2, 5) and on the other hand, a casing (1), integral with the other of these parts (2, 5), said casing comprising a bolt (3) which has hooking means consisting of a hook (6) and an inclined surface (6a) adapted to cooperate with said keeper (4) and said bolt being mounted so as to be moveable between an active position towards which it is resiliently urged and in which it extends over the path of displacement of the keeper (4), and a retracted position, to permit the hooking or release of the keeper (4) and on the other hand between a position of hooking (A) of the keeper (4) in which the latter is hooked on the bolt (3) by manual actuation of one of the these parts (2, 5) and a position of locking (B) of the keeper (4), the movement between these positions of hooking (A) and locking (B) taking place substantially parallel to the parts of the keeper (4) in the vicinity of the casing (1) and with the aid of actuating means (7) which are controlled either by the reciprocal hooking of the keeper (4) and bolt (3) in the hooking position (A) to move them into the locking position (B) or by actuation of the means for releasing the bolt (3) in the locking position (B) in order to move it into the hooking position (A), and retracting means (8) consisting of an abutment member (9) mounted so as to be moveable on the casing (1) between an active position towards which it is resiliently biased and a retracted position and abutment surfaces (9a, 9b) adapted to cooperate with bearing surfaces (3a, 3b) of the bolt (3), so that when the bolt (3) moves towards its locking position (B) the abutment member (9) assumes its retracted position as a result of contact between the abutment surface (9a) and bearing surface (3b), said latch being characterized in that the casing (1) is provided with an abutment surface (1b) adapted to cooperate with the abutment surfaces (9a, 9b) so that when the bolt (3) moves towards its hooking position (A) it moves towards its retracted position for releasing the keeper (4) by contact between the abutment surfaces (9a, 9b) and abutment surface (1b), and in that the bearing surfaces (3a, 3b) are fixed to the bolt (3) and in that said latch comprises a slide member (10) which is moveably mounted in the casing (1) and which is moved by the actuating means (7), in that the bolt (3) is generally in the form of an S, one end of which comprises the hooking means (6, 6a) whilst the other end comprises the bearing surfaces (3a, 3b) and the central part is articulated on the slide member (1), in that the actuating means (7) comprise a motor-speed reducer (13) acting on drive means (14) connected to the slide member (10).

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